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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,620	08/01/2006	Toru Takenaka	SAT-16648	3881
	7590 02/12/201 L & CLARK LLP	0	EXAMINER  LI, CE LI  ART UNIT PAPER NUMBER	
38210 Glenn A	venue		LI, CE LI	
WILLOUGHB	Y, OH 44094-7808		ART UNIT	PAPER NUMBER
			3661	
			MAIL DATE	DELIVERY MODE
			02/12/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/597,620	TAKENAKA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	CE LI	3661	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet S (OR REMAINS) CLOSED S) or other appropriate com RIGHTS. This application i	with the correspondence address ) in this application. If not included munication will be mailed in due course.	
1. This communication is responsive to <u>01/21/2010</u> .			
2. ☑ The allowed claim(s) is/are <u>1-28</u> .			
3. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Copies of the certified copies of the priority documents have 1. Copies of the certified copies of the priority documents have 1. Certified copies of the certified copies of the priority documents have 1. Certified copies not received:  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ve been received. ve been received in Applica ocuments have been recei " of this communication to	ition No ved in this national stage application fron	
<ul> <li>4.  A SUBSTITUTE OATH OR DECLARATION must be submined in the subm</li></ul>	ves reason(s) why the oath		OF
(a) ☐ including changes required by the Notice of Draftspel		iew ( PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	_·		
<ul> <li>(b) including changes required by the attached Examine Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in</li> </ul>	1.84(c)) should be written o	n the drawings in the front (not the back) o	f
6. ☐ DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MA	TERIAL must be submitted. Note the	
<ul> <li>Attachment(s)</li> <li>1. ☐ Notice of References Cited (PTO-892)</li> <li>2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. ☑ Information Disclosure Statements (PTO/SB/08),</li></ul>	6. ☐ Interview Paper N 7. ☐ Examine	Informal Patent Application Summary (PTO-413), o./Mail Date r's Amendment/Comment r's Statement of Reasons for Allowance	
/CE LI/	/Thomas G.	Black/	
Examiner, Art Unit 3661	Supervisory F	Patent Examiner, Art Unit 3661	

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## Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 01/21/2010 was filed after the mailing date of the notice of allowance on 12/30/2009. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being

considered by the examiner.

2. The examiner has considered the references in the IDS, and still could not find any

reasons to reject the allowed claims. Therefore, the claims filed on 08/01/2006 are still allowable

over the references in the IDS filed on 01/21/2009.

## Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Claims 1 and 2 are allowed based on the follow reasons:

The prior art fails to disclose or suggest alone or in combination as claimed if all or a

part of the mobile robot is expressed in terms of a model constructed of a plurality of elements,

the elements being at least either rigid bodies having inertia or mass points, the placement of

elements of the model determined according to a predetermined first geometric restrictive

condition, which specifies the relationship between an instantaneous motion of the mobile robot

and the placement of the elements of the model, from an instantaneous desired motion generated

by the instantaneous gait generating means is defined as a first placement, the placement of the

elements of the model determined according to a predetermined second geometric restrictive

condition, which specifies the relationship between an instantaneous motion of the mobile robot

and the placement of the elements of the model, from the first provisional corrected

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instantaneous desired motion determined by the first provisional corrected motion determining means is defined as a second placement, and the placement of the elements of the model determined according to the second geometric restrictive condition from the second provisional corrected instantaneous desired motion determined by the second provisional corrected motion determining means is defined as a third placement, then the desired motion correcting means determines the sum of the result obtained by multiplying the posture of the predetermined part in the first provisional corrected instantaneous desired motion by a predetermined weight w1 and the result obtained by multiplying the posture of the predetermined part in the second provisional corrected instantaneous desired motion by a predetermined weight w2 as the instantaneous desired posture of the predetermined part in the corrected instantaneous desired motion, and also determines the sum of the result obtained by multiplying the position of the predetermined part in the first provisional corrected instantaneous desired motion by the predetermined weight w1 and the result obtained by multiplying the position of the predetermined part in the second provisional corrected instantaneous desired motion by the predetermined weight w2 as the instantaneous desired position of the predetermined part in the corrected instantaneous desired motion.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to CE LI whose telephone number is (571)270-5564. The examiner

can normally be reached on Monday to Friday, 9AM-5PM, EST, every other Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas Black can be reached on (571)272-6956. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CE LI/

Examiner, Art Unit 3661

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/Thomas G. Black/

Supervisory Patent Examiner, Art Unit 3661